

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/902,736

DATE: 12/07/2001

TIME: 17:57:15

Input Set : N:\Crif3\RULE60\09902736.txt

Output Set: N:\CRF3\12072001\I902736.raw

3 <110> APPLICANT: Genentech, Inc.  
4 Ashkenazi, Avi  
5 Botstein, David  
6 Desnoyers, Luc  
7 Eaton, Dan L.  
8 Ferrara, Napoleone  
9 Filvaroff, Ellen  
10 Fong, Sherman  
11 Gao, Wei-Qiang  
12 Gerber, Hanspeter  
13 Gerritsen, Mary E.  
14 Goddard, A.  
15 Godowski, Paul J.  
16 Grimaldi, Christopher J.  
17 Gurney, Austin L.  
18 Hillan, Kenneth, J.  
19 Kljavin, Ivar J.  
20 Mather, Jennie P.  
21 Pan, James  
22 Paoni, Nicholas F.  
23 Roy, Margaret Ann  
24 Stewart, Timothy A.  
25 Tumas, Daniel  
26 Williams, P. Mickey  
27 Wood, William, I.  
29 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
30 Acids Encoding the Same  
32 <130> FILE REFERENCE: 10466-14  
34 <140> CURRENT APPLICATION NUMBER: 09/902,736  
35 <141> CURRENT FILING DATE: 2001-07-10  
37 <150> PRIOR APPLICATION NUMBER: 09/665,350  
38 <151> PRIOR FILING DATE: 2000-09-18  
40 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414  
41 <151> PRIOR FILING DATE: 2000-02-22  
43 <150> PRIOR APPLICATION NUMBER: US 60/143,048  
44 <151> PRIOR FILING DATE: 1999-07-07  
46 <150> PRIOR APPLICATION NUMBER: US 60/145,698  
47 <151> PRIOR FILING DATE: 1999-07-26  
49 <150> PRIOR APPLICATION NUMBER: US 60/146,222  
50 <151> PRIOR FILING DATE: 1999-07-28  
52 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594  
53 <151> PRIOR FILING DATE: 1999-09-08  
55 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944  
56 <151> PRIOR FILING DATE: 1999-09-13  
58 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090  
59 <151> PRIOR FILING DATE: 1999-09-15  
61 <150> PRIOR APPLICATION NUMBER: PCT/US99/21547

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64 <150> PRIOR APPLICATION NUMBER: PCT/US99/23089
65 <151> PRIOR FILING DATE: 1999-10-05
67 <150> PRIOR APPLICATION NUMBER: PCT/US99/28214
68 <151> PRIOR FILING DATE: 1999-11-29
70 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313
71 <151> PRIOR FILING DATE: 1999-11-30
73 <150> PRIOR APPLICATION NUMBER: PCT/US99/28564
74 <151> PRIOR FILING DATE: 1999-12-02
76 <150> PRIOR APPLICATION NUMBER: PCT/US99/28565
77 <151> PRIOR FILING DATE: 1999-12-02
79 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095
80 <151> PRIOR FILING DATE: 1999-12-16
82 <150> PRIOR APPLICATION NUMBER: PCT/US99/30911
83 <151> PRIOR FILING DATE: 1999-12-20
85 <150> PRIOR APPLICATION NUMBER: PCT/US99/30999
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104 tggagctccg gctgcgtctt cccgcagcgc taccgcccat gcgcctgccg 150
106 cgccggggccg cgtggtgggt cctgccgctt ctgctgctgc tgccgcccgc 200
108 gccggaggcc gccaaagaagc cgacgccctg ccaccgggtg cgggggctgg 250
110 tggacaagtt taaccagggg atggtggaca ccgcaaagaa gaactttggc 300
112 ggcgggaaca cggcttgga ggaaaagacg ctgtccaagt acgagtcag 350
114 cgagattcgc ctgctggaga tccgtggagg gctgtgcgag agcagcgact 400
116 tcgaatgcaa tcagatgcta gaggcgcagg aggagcacct ggaggcctgg 450
118 tggctgcagc tgaagagcga atatcctgac ttattcgagt ggttttgtgt 500
120 gaagacactg aaagtgtgct gctctccagg aacctacggt cccgactgtc 550
122 tcgcatgcca gggcggatcc cagaggccct gcagcgggaa tggccactgc 600
124 agcggagatg ggagcagaca gggcgacggg tccgtccggt gccacatggg 650
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128 tccggaacga gacccacagc atctgcacag cctgtgacga gtccctgaag 750
130 acgtgctcgg gcctgaccaa cagagactgc ggcgagtgtg aagtgggctg 800
132 ggtgctggac gagggcgcct gtgtggatgt ggacgagtgt gcggccgagc 850
134 cgcctccctg cagcgtgcg cagttctgta agaacgccaa cggctcctac 900
136 acgtgcgaag agtgtgactc cagctgtgtg ggctgcacag gggaaggccc 950
138 aggaaactgt aaagagtgt tctctggcta cgcgaggag cacggacagt 1000
140 gtgcagatgt ggacgagtgc tctactagcag aaaaaacctg tgtgaggaaa 1050
142 aacgaaaact gctacaatac tccagggagc tacgtctgtg tgtgtcctga 1100
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148 tgtgccggac ttacccttta aattattcag aaggatgtcc cgtggaaaat 1250
150 gtggccctga ggatgccgtc tctgcagtg gacagcggcg gggagaggct 1300
154 gcctgctctc taacggttga ttctcatttg tcccttaaag agctgcattt 1350
156 cttggttggt cttaaacaga cttgtatatt ttgatacagt tctttgtaat 1400
158 aaaattgacc attgtaggta atcaggagga aaaaaaaaaa aaaaaaaaaa 1450
160 aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500
162 gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca 1550
164 tcacaaattt cacaaataaa gcattttttt cactgcattc tagttgtggt 1600
166 ttgtccaaac tcatcaatgt atcttatcat gtctggatcg ggaattaatt 1650
168 cggcgagca ccatggcctg aaataacctc tgaaagagga acttggttag 1700
170 gtaccttctg aggcggaaag aaccagctgt ggaatgtgtg tcagttaggg 1750
172 tgtggaaagt cccagggctc cccagcaggc agaagtatgc aagcatgcat 1800
174 ctcaattagt cagcaaccga gtttt 1825

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176 &lt;210&gt; SEQ ID NO: 2

177 &lt;211&gt; LENGTH: 353

178 &lt;212&gt; TYPE: PRT

179 &lt;213&gt; ORGANISM: Homo Sapien

181 &lt;400&gt; SEQUENCE: 2

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183   1           5           10           15
185 Leu Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro
186           20           25           30
188 Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met
189           35           40           45
191 Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp
192           50           55           60
194 Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu
195           65           70           75
197 Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys
198           80           85           90
200 Asn Gln Met Leu Glu Ala Gln Glu Glu His Leu Glu Ala Trp Trp
201           95          100          105
203 Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys
204          110          115          120
206 Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro
207          125          130          135
209 Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly
210          140          145          150
212 Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Asp Gly Ser
213          155          160          165
215 Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys
216          170          175          180
219 Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile
220          185          190          195
222 Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr
223          200          205          210
225 Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp Glu
226          215          220          225
228 Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro

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229          230          235          240
231 Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr
232          245          250          255
234 Cys Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly
235          260          265          270
237 Pro Gly Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His
238          275          280          285
240 Gly Gln Cys Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr
241          290          295          300
243 Cys Val Arg Lys Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr
244          305          310          315
246 Val Cys Val Cys Pro Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys
247          320          325          330
249 Val Pro Pro Ala Glu Ala Glu Ala Thr Glu Gly Glu Ser Pro Thr
250          335          340          345
252 Gln Leu Pro Ser Arg Glu Asp Leu
253          350
255 <210> SEQ ID NO: 3
256 <211> LENGTH: 2206
257 <212> TYPE: DNA
258 <213> ORGANISM: Homo Sapien
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263 tagagatccc tgcacctcga cccacgcgtc cgccaggccg ggaggcgacg 100
265 cgcccagccg tctaaacggg aacagccctg gctgagggag ctgcagcgca 150
267 gcagagtatc tgacggcgcc aggttgcgta ggtgcggcac gaggagtttt 200
269 cccggcagcg aggaggtcct gaggcagcatg gcccgaggga gcgccttccc 250
271 tgccgcccgc ctctggtctt ggagcatcct cctgtgcctg ctggcactgc 300
273 gggcgagggc cgggcccgcg caggaggaga gcctgtacct atggatcgat 350
275 gctcaccagg caagagtact cataggattt gaagaagata tctgattgt 400
277 ttcagagggg aaaatggcac cttttacaca tgatttcaga aaagcgcaac 450
279 agagaatgcc agctattcct gtcaatatcc attccatgaa ttttacctgg 500
281 caagctgcag ggcaggcaga atacttctat gaattcctgt ccttgcgctc 550
284 cctggataaa ggcacatcag cagatccaac cgtcaatgtc cctctgctgg 600
286 gaacagtgcc tcacaaggca tcagttgttc aagttggttt cccatgtctt 650
288 ggaaaacagg atggggtggc agcatttgaa gtggatgtga ttgttatgaa 700
290 ttctgaaggc aacaccattc tccaaacacc tcaaaatgct atcttcttta 750
292 aaacatgtca acaagctgag tgcccaggcg ggtgccgaaa tggaggcttt 800
294 tgtaatgaaa gacgcattct cgagtgctct gatgggttcc acggacctca 850
296 ctgtgagaaa gccctttgta cccacagatg tatgaatggg ggactttgtg 900
298 tgactcctgg tttctgcata tgcccacctg gattctatgg agtgaactgt 950
300 gacaaagcaa actgctcaac cacctgcttt aatggaggga cctgtttcta 1000
302 ccctggaaaa tgtatttgcc ctccaggact agagggagag cagtgtgaaa 1050
304 tcagcaaatg cccacaaccc tgtcgaaatg gaggtaaatg catttgtaaa 1100
306 agcaaatgta agtggttcaa aggttaccag ggagacctct gttcaaagcc 1150
308 tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaaccaaca 1200
310 aatgccaatg tcaagaaggt tggcatggaa gacactgcaa taaaaggtac 1250
312 gaagccagcc tcatacatgc cctgaggcca gcaggcgccc agctcaggca 1300
314 gcacacgcct tcacttaaaa aggccgagga gcggcgggat ccacctgaat 1350

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## RAW SEQUENCE LISTING

DATE: 12/07/2001

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TIME: 17:57:15

Input Set : N:\Crif3\RULE60\09902736.txt

Output Set: N:\CRF3\12072001\I902736.raw

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316 ccaattacat ctggtgaact cgcacatctg aaacgtttta agttacacca 1400
318 agttcatagc ctttggttaac ctttcatgtg ttgaatgttc aaataatggt 1450
320 cattacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
322 actgagctga tatttactct tccttttaag ttttctaagt acgtctgtag 1550
324 catgatggtg tagattttct tgtttcagtg ctttgggaca gattttatat 1600
326 tatgtcaatt gatcagggtt aaattttcag tgtgtagtgt gcagatattt 1650
328 tcaaaattac aatgcattta tgggtgtctg gggcagggga acatcagaaa 1700
330 gggttaaatt ggcaaaaatg cgtaagtcac aagaatttgg atggtgcagt 1750
332 taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
334 ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata 1850
336 tattttgacc ttaccattat tccagagatt cagtattaaa aaaaaaaaaa 1900
338 ttacactgtg gtagtggcat ttaaacaata taatatattc taaacacaat 1950
340 gaaataggga atataatgta tgaacttttt gcattggctt gaagcaatat 2000
342 aatatattgt aaacaaaaca cagctcttac ctaataaaca ttttatactg 2050
344 tttgtatgta taaaataaag gtgctgcttt agttttttgg aaaaaaaaaa 2100
346 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgggcgc gactctagag 2150
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353 &lt;210&gt; SEQ ID NO: 4

354 &lt;211&gt; LENGTH: 379

355 &lt;212&gt; TYPE: PRT

356 &lt;213&gt; ORGANISM: Homo Sapien

358 &lt;400&gt; SEQUENCE: 4

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363 20 25 30
365 Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala
366 35 40 45
368 Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu
369 50 55 60
371 Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln
372 65 70 75
374 Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr
375 80 85 90
377 Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser
378 95 100 105
380 Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn
381 110 115 120
383 Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln
384 125 130 135
386 Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe
387 140 145 150
389 Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu
390 155 160 165
392 Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Gln Ala
393 170 175 180
395 Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg
396 185 190 195

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/902,736

DATE: 12/07/2001

TIME: 17:57:16

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Output Set: N:\CRF3\12072001\I902736.raw

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L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:2197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50  
L:4669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113  
L:5254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131  
L:6950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174  
L:7130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175  
L:8526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206  
L:8528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206